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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

Top Secret

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basic imagery interpretation report

Soviet Mobile Missile Summary

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DEPLOYED STRATEGIC SSM FACILITIES
BE: Various
USSR

Top Secret

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Soviet Mobile Missile Summary

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LIST OF ACRONYMS AND ABBREVIATIONS

This list in its entirety is classified SECRET

AAD	Azimuth alignment device
C3	Command, control, and communications
Can/cap	Canister/capsule
Cplx	Complex
Cp/bnk	Command post/bunker
CSF	Complex support facilities
Div	Division
FTA	Field training area
GSE	Ground support equipment
HP/TD	Hard-point/tiedown
ICBM	Intercontinental ballistic missile
IRBM	Intermediate-range ballistic missile
km	Kilometer(s)
LAD	Launch assist device
LRP	Launch reference position
LTS	Launch test site
MRACA	Missile receiving and checkout area
MRB	Missile-ready building/bunker
MRBM	Medium-range ballistic missile
MSTC	Missile/space test center
MSV	Missile support van
MTC	Missile test center
nm	Nautical mile(s)
NPHF	Nuclear payload handling facility
NPIC	National Photographic Interpretation Center
NWHF	Nuclear warhead handling facility
PBV	Postboost vehicle
PGCS	Propulsion guidance control section
PHF	Payload handling facility
POE	Piece(s) of equipment
Rcvr	Receiver
Regt	Regiment
R&D	Research and development
RIC	Receiving, inspection, and checkout
RIM	Receiving, inspection, and maintenance
RTP	Rail-to-road transfer point
Rvt	Revetment
SBG	Single-bay garage
SMRA	Silo materials receiving area
SRF	Strategic Rocket Forces
SSM	Surface-to-surface missile
TEL	Transporter-erector-launcher
TSA	Temporary support area
UHF/VHF	Ultra-high frequency/very high frequency
Xmtr	Transmitter

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SOVIET MOBILE MISSILE SUMMARY

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SUMMARY

1. (TSR) This report updates information in NPIC report on SS-20 mobile IRBM bases in the USSR. This report also includes a synopsis of significant mobile missile activity seen at two offensive missile test centers; three missile-related research, development, and production facilities; and several command and control facilities (Figure 1). Significant activity derived from mission is also included in this report.

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2. (S/WN) Significant activity/developments during the reporting period included the following:

a. The identification of stationary SS-20 vehicle mockups and an SS-20 launch from Drovyanaya;
b. Continuing SS-20 field training exercises;
c. The identification of hardpoints and SS-20 equipment/vehicles at Novosibirsk;
d. The identification of stationary SS-20 vehicle mockups, the observation of an SS-20 launch battalion in convoy, and the completion of an SBG at Verkhnyaya Salda;
e. The removal of SS-20 missile canisters from Kivertsy;
f. Two new mobile bases assessed to be operational, Krolevets and Lutsk;
g. The expansion of the RTP at Lebedin;
h. The identification of SS-20 vehicle mockups at Lida;
i. First identification of an SS-20-associated vehicle at Rechitsa;
j. The completion of the rail-served SBG at Novaya Mezinovka;
k. Possible launch stand and erector at Plesetsk LTS 21
l. Can/cap equipment at Plesetsk LTS 23 (and LTS 24
m. The resumption of TEL test activity at Volgograd;
n. The identification of SBG components at the SRF-associated training facility at Perm; and
o. Several command and control developments.

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3. (U) The reporting period extends from A location map, 19 annotated photographs, three tables, and one chart are included in this report.

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DISCUSSION

Deployed Complexes

4. (S/WN) As of 36 of the 38 mobile bases were in the late stages of construction or complete and were assessed to be capable of maintaining an operational unit (Table 1). Based on past construction practices, the 38 bases, including the remote site at Drovyanaya, will eventually contain 345 SBGs to house SS-20 missiles on launchers. Five of the bases are in the eastern section of Siberia, six are in the western section of Siberia, ten are in the central USSR, and 17 are in the western section of the USSR.

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5. (S/WN) Throughout the reporting period, SS-20-associated vehicles/equipment were observed in or near the operations areas at Drovyanaya SSM Complex , Novosibirsk SSM Complex (BE Verkhnyaya Salda SSM Complex , and Yurya SSM Complex

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Eastern Siberia

6. (S/WN) **Drovyanaya Mobile IRBM Base 3.** Stationary SS-20 vehicle mockups were identified 0.5 nm south of the general support area of Mobile IRBM Base 3 (Figure 2). Five SS-20 vehicle mockups were constructed parallel to the main road leading to the general support area. These mockups were constructed of wood and later camouflaged. Three of the five mockups were constructed between The remaining two mockups were constructed between

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7. (S/WN) **Drovyanaya SSM Complex.** Analysis of imagery acquired during June of the suspected launch area, 53 nm northwest of Drovyanaya RTP), was inconclusive.

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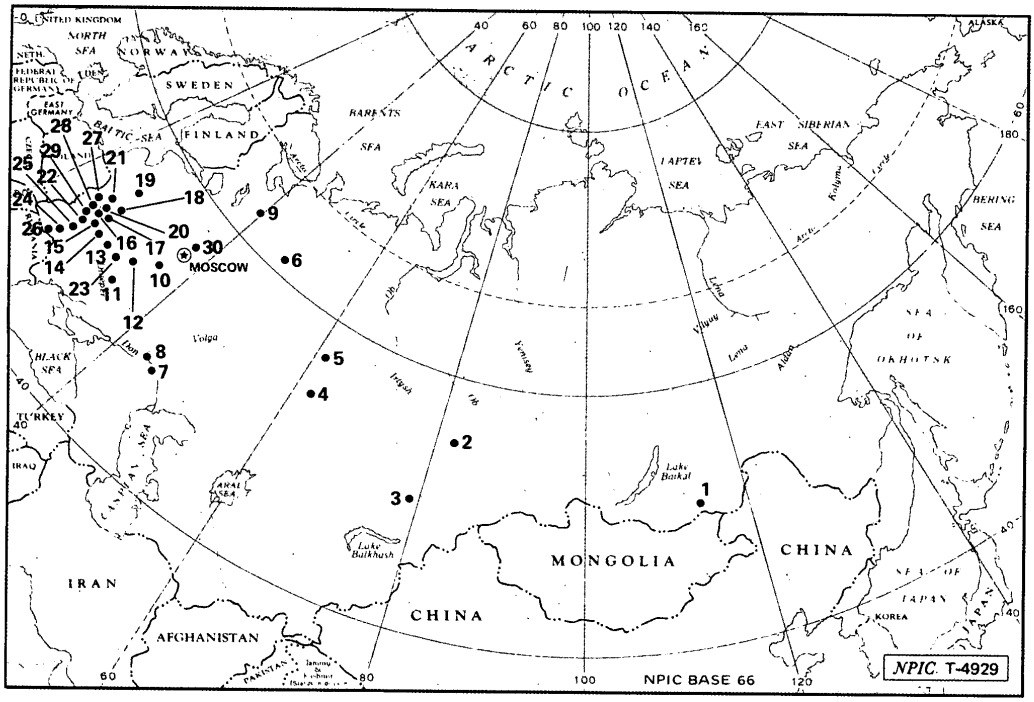

FIGURE 1. LOCATIONS OF SS-16/-20 ACTIVITY IN THE USSR

Item	Installation Name	BE No
1	Drovyanaya Mobile IRBM Base 1	
	Drovyanaya Mobile IRBM Base 2	
	Drovyanaya Mobile IRBM Base 3	
	Drovyanaya Mobile IRBM Base 4	
	Drovyanaya Mobile IRBM Base 5	
	Drovyanaya SS-20 Remote Site 1	
2	Novosibirsk Mobile IRBM Base 1	
	Novosibirsk Mobile IRBM Base 2	
	Novosibirsk Mobile IRBM Base 3	
	Novosibirsk Mobile IRBM Base 4	
	Novosibirsk Mobile IRBM Base 5	
	Novosibirsk Mobile IRBM Base 6	
3	Semipalatinsk NWPG	
4	Bobrovskiy Missile-Support Rear Depot	
5	Verkhnyaya Salda Mobile IRBM Base 1	
	Verkhnyaya Salda Mobile IRBM Base 2	
	Verkhnyaya Salda Mobile IRBM Base 3	
	Verkhnyaya Salda Mobile IRBM Base 4	
	Verkhnyaya Salda Mobile IRBM Base 5	
6	Yurya Mobile IRBM Base 1	
	Yurya Mobile IRBM Base 2	
	Yurya Mobile IRBM Base 3	
	Yurya Mobile IRBM Base 4	
	Yurya Mobile IRBM Base 5	
7	Kapustin Yar Missile/Space Test Center SSM	
8	Volgograd Steel and Machinery Plant Krasnyy Barricada 221	
9	Plesetsk Missile/Space Test Center SSM	
10	Serpukhov SSM Engineering Research Training Facility	
11	Lebedin Mobile IRBM Base 1	
12	Bryansk Guided Missile Support Equipment Plant II	
13	Rechitsa Mobile IRBM Support Base	
	Rechitsa Mobile IRBM Base 1A	
	Rechitsa Mobile IRBM Base 1B	
	Rechitsa Mobile IRBM Base 1C	
14	Mozyr Mobile IRBM Base/Training Facility	
15	Konkovichi Mobile IRBM Base	
16	Novaya Mezinovka Missile-Support Rear Depot	
17	Gresk Mobile IRBM Base 1	
18	Postavy Mobile IRBM Base	
19	Polotsk Mobile IRBM Base 1	
	Polotsk Mobile IRBM Base 2	
20	Minsk Motor Vehicle and Guided Missile Support Plant	
21	Smorgon Mobile IRBM Base 1	
	Smorgon Mobile IRBM Base 2	
22	Kozhanovichi Mobile IRBM Base	
23	Krolevets Mobile IRBM Base 1	
24	Kivertsy IRBM Payload Handling Facility	
25	Kivertsy Mobile IRBM Base 2	
26	Lutsk Mobile IRBM Base 1	
27	Lida Mobile IRBM Base 1	
28	Dyatlovo Mobile IRBM Base 1	
29	Slonim Mobile IRBM Base1	
30	Krasnoarmeysk Solid Motor Development Facility	

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Table 1. Summary of SS-20 Construction at Deployed Areas

This table in its entirety is classified TOP SECRET RUFF

	SSM / Installation Name	First Identified	Date Assessed as Being Operational	Date Last Imaged	OPERATIONS AREA: Single-Bay Garage Comp	Single-Bay Garage Ucon	3-Bay Garage Comp	3-Bay Garage Ucon	4-Bay Garage Comp	4-Bay Garage Ucon	5-Bay Garage Comp	5-Bay Garage Ucon	11-Bay Garage Comp	11-Bay Garage Ucon	GENERAL SUPPORT AREA/NUCLEAR PAYLOAD HANDLING FACILITY: 11-Bay Garage (66 x 18m) Number	11-Bay Garage (66 x 18m) Construction Comp	Tech Support Bldg Number	Tech Support Bldg Construction Comp	High 2-Bay Bldg Number	High 2-Bay Bldg Construction Comp	Clerestory Bldg Number	Clerestory Bldg Construction Comp	Status of Construction at RTP	Remarks/Comments
EASTERN USSR	Drovyanaya Mobile IRBM Base 1	Jul 76	Sep 77		9	–	3	–	–	–	–	–	1	–	1	Yes	0*	–	0*	–	0*	–	A clerestory bldg in midstage of construction in the NPHF	
	Drovyanaya Mobile IRBM Base 2	Jan 77	Jun 78		9	–	3	–	–	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		1 admin/personnel bldg in the late stage of construction in the spt area
	Drovyanaya Mobile IRBM Base 3	Nov 77	Dec 78		9	–	3	–	–	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		Stationary SS-20 mockups 0.5 nm south of MOB
	Drovyanaya Mobile IRBM Base 4	Nov 78	Nov 81		9	–	–	–	3	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		1 admin/personnel bldg and 3 single-story bldgs ucon in spt area
	Drovyanaya Mobile IRBM Base 5	Apr 79	Mar 80		9	–	3	–	–	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		
	Drovyanaya Remote Site 1	Aug 79	–		3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		
CENTRAL USSR	Novosibirsk Mobile IRBM Base 1	Jan 77	Jun 78		9	–	–	–	3	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–	Complete	C-shaped bldg ucon
	Novosibirsk Mobile IRBM Base 2	Dec 77	Nov 78		9	–	–	–	3	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		1 personnel/admin bldg ucon in spt area
	Novosibirsk Mobile IRBM Base 3	Jun 78	Nov 79		9	–	–	–	3	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		
	Novosibirsk Mobile IRBM Base 4	Dec 79	Dec 80		9	–	–	–	3	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–		
	Novosibirsk Mobile IRBM Base 5	Oct 80	Aug 81		9	–	–	–	3	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		
	Novosibirsk Mobile IRBM Base 6	Dec 81	–		9	–	–	–	–	–	3	–	–	–	2**	No	–	–	–	–	–	–		Several bldgs ucon in spt area; operations area complete
	Verkhnyaya Salda Mobile IRBM Base 1	Feb 78	Jan 79		9	–	3	–	–	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–	Complete	Footings for 2 bldgs ucon in spt area; SS-20 stationary mockups between ops and spt area; the roof of 3 SBGs open on
	Verkhnyaya Salda Mobile IRBM Base 2	Jan 79	Nov 79		9	–	3	–	–	–	–	–	0	–	2	Yes	0*	–	0*	–	0*	–		The roof of one of the SBGs open on [redacted] SS-20 stationary mockups near dismantled SS-7 silos
	Verkhnyaya Salda Mobile IRBM Base 3	Nov 79	Dec 80		9	–	3	–	–	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–		The roof of one of the SBGs open on [redacted]
	Verkhnyaya Salda Mobile IRBM Base 4	Mar 80	Dec 80		9	–	3	–	–	–	–	–	0	–	0	–	0*	–	0*	–	0*	–		
	Verkhnyaya Salda Mobile IRBM Base 5	Apr 81	Nov 81		9	–	3	–	–	–	–	–	0	–	1	No	0*	–	0*	–	0*	–		SS-20 stationary mockups in spt area
	Yurya Mobile IRBM Base 1	Apr 78	Jan 79		9	–	3	–	–	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–	Complete	
	Yurya Mobile IRBM Base 2	Jan 79	Jan 80		9	–	3	–	–	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–		
	Yurya Mobile IRBM Base 3	Dec 79	Dec 80		9	–	3	–	–	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–		
	Yurya Mobile IRBM Base 4	May 80	Mar 81		9	–	3	–	–	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–		
	Yurya Mobile IRBM Base 5	Apr 81	Dec 81		9	–	3	–	–	–	–	–	0	–	1	Yes	0*	–	0*	–	0*	–		
WESTERN USSR	Konkovichi Mobile IRBM Base	Nov 75	Jun 78		9	–	3	–	–	–	–	–	1	–	2	Yes	1	Yes	1	Yes	1	Yes	Complete	1 bldg ucon in spt area
	Kozhanovichi Mobile IRBM Base	Jul 76	Jun 78		9	–	3	–	–	–	–	–	1	–	2	Yes	1	Yes	1	Yes	1	Yes	Complete	
	Krolevets Mobile IRBM Base	Dec 81	Aug 82		9	–	–	–	3	–	–	–	–	–	1	Yes	–	–	–	–	–	–		
	Mozyr Mobile IRBM Base/Training Facility	Oct 76	Jun 78		9	–	3	–	–	–	–	–	0	–	3	Yes	1	Yes	1	Yes	1	Yes	Complete	Bldg adjacent to the 11-bay garage in the spt area and the 5-bay garage in the ops area completed; the roof of one of the SBGs open on [redacted] Tenth single-bay garage adjacent to clerestory bldg; a large C-shaped bldg, a multistory dormitory, and foundations for a third large bldg ucon in the spt area
	Postavy Mobile IRBM Base	Oct 77	Jun 78		9	–	3	–	–	–	–	–	0	–	2	Yes	1	Yes	1	Yes	1	Yes	Complete; helfport, ucon	Prob TEL with can in ops area
	Smorgon Mobile IRBM Base 1	Apr 78	Jan 79		9	–	–	–	3	–	–	–	0	–	2	Yes	1	Yes	1	Yes	0	–	Complete	
	Smorgon Mobile IRBM Base 2	Aug 79	Jan 81		9	–	–	–	3	–	–	–	0	–	1	Yes	0	–	0	–	0	–		6-bay garage ucon in ops area; 1 bldg ucon in spt area
	Rechitsa Mobile IRBM Support Base	Sep 78	Mar 80		–	–	–	–	–	–	–	–	–	–	2	Yes	1	Yes	1	Yes	1	Yes	Complete	NWSF ucon; ground scrapping adjacent to large C-shaped bldg and 1 bldg ucon in in spt area; first identification of SS-20 veh at this base
	Rechitsa Mobile IRBM Base 1A	Aug 79	Mar 80		3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		
	Rechitsa Mobile IRBM Base 1B	Aug 79	Mar 80		3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		
	Rechitsa Mobile IRBM Base 1C	Aug 79	Mar 80		3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		
	Polotsk Mobile IRBM Base 1	Oct 79	Jan 80		9	–	3	–	–	–	–	–	0	–	2	Yes	1	Yes	1	–	1	Yes	Complete	
	Polotsk Mobile IRBM Base 2	Aug 79	Jan 81		9	–	3	–	–	–	–	–	0	–	1	Yes	0	–	0	–	0	–		
	Lida Mobile IRBM Base 1	Jun 80	Apr 81		9	–	–	–	3	–	–	–	0	–	1	Yes	0	–	0	–	0	–		2 bldgs ucon in spt area; SS-20 mockups in ops area
	Gresk Mobile IRBM Base 1	Aug 80	Apr 81		9	–	–	–	3	–	–	–	0	–	1	Yes	1	No	1	No	1	No		
	Lutsk Mobile IRBM Base 1	Jan 81	Jun 82		9	–	–	–	3	–	–	–	0	–	1	No	0	–	0	–	0	–		5 bldgs ucon in spt area; 5-bay garage externally complete in ops area
	Kivertsy Mobile IRBM Base 2	Nov 81	–		9	–	–	–	0	3	–	–	–	1**	1**	No	0	–	0	–	0	–		
	Lebedin Mobile IRBM Base 1	Feb 81	May 82		9	–	–	–	3	–	–	–	0	–	1	Yes	0	–	0	–	0	–	Expansion of RTP	NPHF ucon
	Dyatlovo Mobile IRBM Base 1	Mar 81	Jan 82		9	0	–	–	3	–	–	–	0	1	0	–	0	–	0	–	0	–		NPHF ucon; foundations for prob 12-bay garage approx 0.5 nm north of this base
	Slonim Mobile IRBM Base 1	Mar 81	Mar 82		9	0	–	–	3	–	–	–	0	–	1	Yes	0	–	0	–	0	–		

Red indicates changes since [redacted] the cutoff date of the updated report, [redacted]

*The former SS-7 ICBM complexes in the central and eastern USSR currently have nuclear payload handling facilities under construction or complete at their RTPs; these areas consist of high two-bay, technical support, and clerestory buildings.

**Ten-bay garages

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8. (TSR) SS-20 field training exercises in the Drovyanaya Complex were as follows:

Location	Date	Remarks
FTA 3B-Rvt		
FTA 3C		
FTA 5A-Rvt		
FTA 5C		
2 nm west of MOB 5 at 51-24-14N 112-49-42E 2 nm north of MOB 5 at 51-25-53N 112-54-23E		

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Western Siberia

9. (S/WN) **Novosibirsk RTP** ( ) On , one set of hardpoints for SS-20 TEL leveling jacks was observed 200 meters east of the RTP (Figure 3). This is the first observation of SS-20-associated hardpoints at a field training area. No LRP was seen. Similar hardpoints have been identified in SBGs at Verkhnyaya Salda SSM Complex and on an unimproved road in the operations area of Verkhnyaya Salda Mobile IRBM Base 4.

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10. (S/WN) **Novosibirsk Mobile IRBM Base 6.** On SS-20 equipment was identified for the first time at this mobile IRBM base. Sixteen camouflaged SS-20 C3-associated vehicles were in a separately secured area outside this base (Figure 4). Eight probable MSVs, four probable MSVs, and four BTR-60/70 armored personnel carriers were present. The operations area is complete (Figure 5) and construction was continuing in the support area.

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11. (TSR) SS-20 field training exercises in the Novosibirsk complex were as follows:

Location	Date	Remarks
Driver training 200 meters east of RTP		

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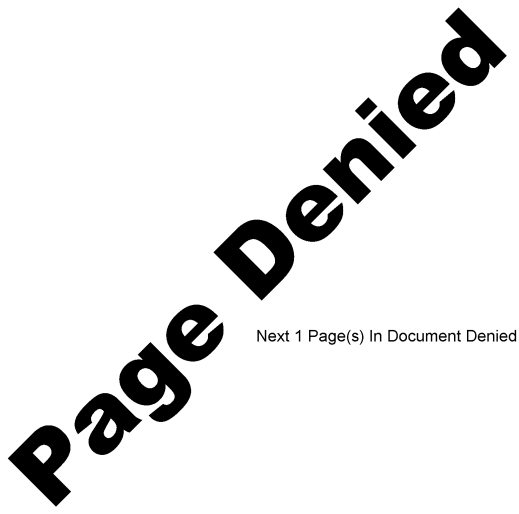

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Central USSR

12. (S/WN) **Verkhnyaya Salda SSM Complex.** Stationary SS-20 vehicle mockups were identified at three of the five mobile IRBM bases at this complex, Verkhnyaya Salda Mobile IRBM Base 1, Verkhnyaya Salda Mobile IRBM Base 2, and Verkhnyaya Salda Mobile IRBM Base 5. On [redacted] at Mobile IRBM Base 1, at least five stationary SS-20 vehicle mockups were in the wooded area between the operations and support areas (Figure 6). Foundations for these mockups were present on [redacted] At Mobile IRBM Base 5, mockups of at least six SS-20 vehicles, three of which were TELs with canisters, were under construction in the support area near the steamplant (Figure 7). These were also first present on [redacted] at Mobile IRBM Base 2, three large and two smaller SS-20 vehicle mockups were under construction near the dismantled SS-7 silos (Figure 8). One of the larger mockups resembled a TEL. The mockups were first observed on [redacted] the SS-20 vehicle mockups were camouflaged at Mobile IRBM Base 1 and Mobile IRBM Base 5.

13. (S/WN) **Verkhnyaya Salda RTP** [redacted] On [redacted] a probable SS-20 launch battalion was departing the RTP at 1654Z. The launch battalion, not present at 0623Z, consisted of three probable SS-20 TELs and at least ten support vehicles. In addition, the SBG which was first observed under construction on [redacted] at the south end of the RTP had been externally completed by [redacted]

14. (S/WN) On [redacted] SS-20 activity was underway in three different areas of the RTP. On the railspur serving the receiving area, three empty, canvas-covered SS-20 TELs and one canvas-covered [redacted] meter MSV were on four flatbed railcars (Figure 9). In the receiving/storage area, two empty SS-20 TELs, an SS-20 canvas-covered missile canister handling dolly, and a canvas-covered unidentified object were near a four-bay building; however, the unidentified object has been present since at least [redacted] At the NPHF near the technical support building, three camouflaged SS-20-associated vehicles and a camouflaged warhead-associated work platform were present. The presence of the work platform and the location of the SS-20-associated vehicles, which have been present since [redacted] suggest that warhead checkout-related activity may be underway.

15. (TSR) SS-20 field training exercises in the Yurya complex were as follows:

Location	Date	Remarks
FTA RA [redacted]		
FTA 3B-Rvt [redacted]		

Western USSR

16. (S/WN) **Kivertsy Probable PHF** [redacted] On [redacted] all nine SS-20 missile canisters had been removed from the PHF. The nine missile canisters were first identified on [redacted] three missile canisters had been removed from their camouflaged storage position in the former SS-4 propellant storage area. Between [redacted] the remaining six-missile canisters were removed. The canisters may have been moved inside the former SS-4 missile-ready building or transferred to Kivertsy Mobile IRBM Base 2, which was in the late stages of construction during this reporting period.

17. (S/WN) **Krolevets Mobile IRBM Base 1.** This base has been assessed to be operational since [redacted] when the operations area appeared to be capable of maintaining an SS-20 unit.

18. (S/WN) **Lebedin Mobile IRBM RTP** [redacted] The facilities at the RTP were being expanded and improved, probably to increase the missile and equipment handling capability. On [redacted] a loop road had been constructed near the receiving area; by [redacted] two GSE transfer sheds had been constructed near the rail line at the RTP. In addition, a helicopter landing pad had been completed by [redacted] (Figure 10).

19. (S/WN) **Lida Mobile IRBM Base 1.** On [redacted] SS-20 vehicle mockups were in the operations area of Mobile IRBM Base 1 (Figure 11). The SS-20 vehicle mockups resembled three MSVs and three SS-20 TELs. It could not be determined whether these mockups are of the transportable or stationary type.

20. (S/WN) **Lutsk Mobile IRBM Base 1.** This base was assessed to be operational in June.

21. (S/WN) **Rechitsa Mobile IRBM Support Base.** An SS-20 vehicle was identified for the first time at this support base on [redacted] when an SS-20 TEL with canister was observed in the GSE storage area (Figure 12).

22. (S/WN) **Novaya Mezinovka Missile Support Rear Depot.** On [redacted] the rail line leading into the recently constructed SBG at the missile support rear depot was complete (Figure 13). This is the only known SBG that is rail served. The SBG is on an apron at the end of one of the receiving/checkout buildings. The garage is a standard SS-20 SBG; however, the doors have not yet been installed, leaving a [redacted] wide opening. The door opening on a standard SBG with installed doors is [redacted] Components for a second SBG are nearby and it appears that the garage will be constructed on the opposite side of the apron; however, there were no indications of rail line construction for this garage during this period.

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Missile Test Centers

Kapustin Yar Missile/Space Test Center SSM

23. (S/WN) All 11 of the SS-20-associated facilities and crew training areas were imaged during the reporting period. New construction was identified at Kapustin Yar General Support Area [ ] 25X1

24. (S/WN) A new high-bay assembly/checkout building was observed under construction just south of the General Support Area (Figure 14). When completed, the building will have a center bay [ ] 25X1 meters long, [ ] wide, and [ ] high and will house a traveling bridge crane. The center 25X1 bay will be flanked by two-story building wings. The building will be served by a concrete block loop road and will be triple fenced. Initial clearing for the building was observed on [ ] 25X1

Plesetsk Missile/Space Test Center SSM

25. (S/WN) **Mobile ICBM-associated Bases.** All four of the mobile ICBM-associated bases—Mobile ICBM Facility 1 (MOB 1; [ ]; Mobile ICBM Facility 2 (MOB 2; [ ]; ICBM LTS 5 (BE [ ]; and ICBM LTS 6 [ ]—and the seven mobile ICBM-associated support/launch test facilities were imaged during this reporting period. 25X1 25X1

26. (S/WN) All 42 of the LRPs were observed during the reporting period (Chart 1). Occasionally, image interpretability was sufficient to detect canvas-covered probable AADs in some of the LRPs.

27. (S/WN) **MOB 1.** All 12 of the LRPs at this base were observed. The cable replacement/refurbishment program was continuing and the roofing material on some of the buildings was also being replaced.

28. (TSR) **MOB 2.** All 12 of the LRPs at this base were observed. During early August, the section of concrete block road around the recently installed hardpoints west of the operations area was probably being widened. In addition, a section of camouflage netting was on the concrete apron in front of one of the nine-bay garages in the operations area.

29. (TSR) **LTS 5.** All 12 LRPs at this base were observed. On [ ] two white circular markings had 25X1 been installed on/applied to the concrete block road approximately [ ] behind two LRPs (Figure 25X1 15). Each circular marking was approximately 2 meters in diameter and bisected by a diagonal line. These white circular marks approximate the position of a missile canister erected by a TEL on the new hardpoints outside of MOB 2. On [ ] one set of possible dark-toned marks from a TEL were 25X1 observed in front of the four-bay building in the original calibration area. TEL leveling-jack imprints/dark-toned marks have been periodically observed in this area since November 1976. In addition, construction of the new mobile missile calibration area was almost complete. The high two-bay building,

[redacted] 25X1

[redacted] 25X1

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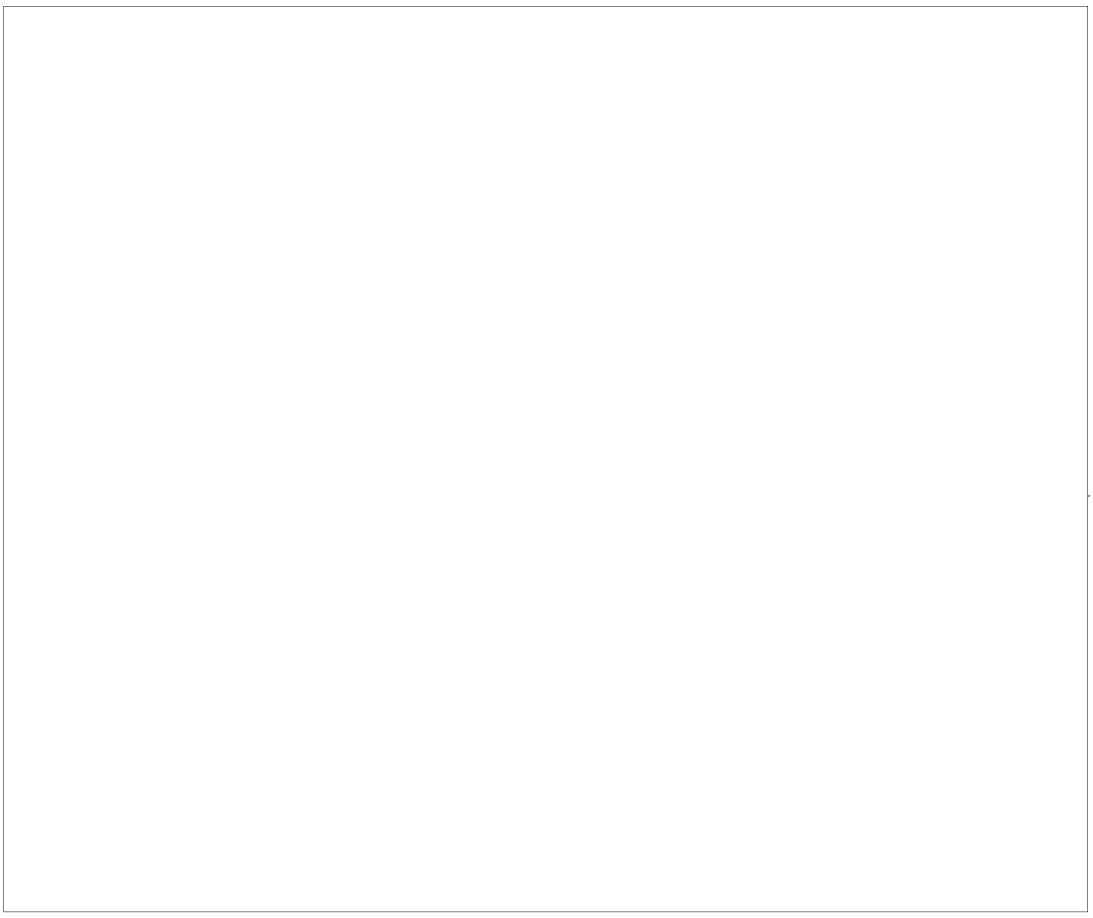

25X1

the two-bay shed, and the technical support building appeared to be externally complete by the end of the reporting period.

Small-solid ICBM Launch Test Sites

30. (S/WN) **Plesetsk ICBM Launch Test Site 21.** LTS 21 is a dual-pad soft launch site that supported flight testing of the SS-X-15 and SS-16. In 1972, a 48-meter-long framework structure was built on the east pad and pad extension to conceal SS-16 flight test activities. During the SS-16 flight test program, 24 meters of the framework were normally covered by eight 3-meter-long roof sections and the remainder of the structure was canvas covered. A possible erector and a possible launch stand were recently identified within the framework structure (Figure 16). The possible erector appears to consist of a cradle-like framework approximately [redacted] mounted on an undetermined type of chassis. The possible launch stand is a truncated cone with a top diameter of approximately 1 meter, a base diameter of approximately 3 meters, and is approximately 3 meters high. The possible launch stand was on a probable concrete launch pad [redacted] from the front of the framework structure. Reanalysis of imagery acquired of LTS 21 since the termination of the SS-16 flight test program in April 1976 indicates that the launch stand and erector were probably stored within the framework structure through August 1981. During this time, the possible launch stand was normally positioned 21 meters from the front of the framework structure. Because of the extensive concealment measures used during the SS-16 flight test program, it has not been possible to prove that the possible launch stand and erector were present during that time. However, it is probable that this equipment was present at LTS 21 during the SS-16 flight test program, which suggests that some SS-16 missiles may have been launched from a stand rather than a TEL. It has not been possible to determine whether missiles tested from a stand at LTS 21 would be launched to the Kamchatka impact area or would be launch phase (popup) tested. Although final site cleanup has not been completed and the canvas has not been replaced over the framework structure on the eastern pad, LTS 21 could be ready to support the small-solid flight test program during late 1982.

25X1

25X1

31. (S/WN) **Plesetsk ICBM LTS 23** [redacted] **and Collocated LTS 24** [redacted] At LTS 23 and LTS 24, final site cleanup appeared to be underway. During June, silo/GSE compatibility testing was observed. On [redacted] the can/cap silo loader was positioned at the silo of LTS 23 and the can/cap transporter was on the turnaround apron of LTS 24 (Figure 17). Similar activity was observed at these sites during September 1981. During July through September, the area in front of the [redacted] SBG was graded and a concrete block apron was installed. Also during that timeframe, several probable silo work platforms were removed from the aprons of LTS 24. Based on activity observed during the reporting period, LTS 23 and LTS 24 may be capable of supporting launches of the small-solid ICBM in the near future.

25X1

25X1

25X1

[redacted]

25X1

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25X1
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Missile Handling Facility

32. (S/WN) **Plesetsk Missile Handling Facility** Modification/construction in the SS-16 RIC continued at a steady pace. By the end of the reporting period, new concrete block access roads and aprons were being installed and footings for an 18-meter-deep nine-bay garage were identified in the modified SS-16 RIC. If construction continues at the current pace, modification could be completed during late 1982. The SBG components that have been in open storage on the aprons of the SMRA since appeared to remain in the same positions. In addition, the can/cap silo loader and transporter remained under the shed-like extension to the modified SS-16 RIC building during most of the reporting period. The only time they were not in the modified SS-16 RIC area was when they were at LTS 23 and 24 for silo/GSE compatibility testing.

Mobile Missile-Related Activity at Missile Development/Production Facilities

Perm Solid Motor Production Plant (

33. (S/WN) An SS-20 TEL with an SS-20 canister was near the assembly/checkout building in the rocket motor test area on The nearest known SS-20 facilities are at Verkhnyaya Salda SSM Complex and Yurya SSM Complex, a distance of 140 nm and 200 nm, respectively.

Perm Ammunition Depot DA 2

34. (S/WN) SS-20 SBG components were at this SRF-associated facility on The components were in the missile support equipment training area. They have remained in the same position from at least to the end of the reporting period. At least a part of this facility is devoted to SRF training.

Volgograd Remote Test Facility 3

35. (S/WN) Two mobile missile TELs were at Remote Test Facility 3 on Mobile missile-associated TEL test activity was last seen here on Resumption of TEL test activity at this facility may be related to new mobile missile systems. A 12- by 6-meter addition was built on the back side of the SBG in late June.

Bryansk Guided Missile Support Equipment Plant II

36. (S/WN) SBG components continued to be fabricated and shipped from Bryansk II (Table 2). The plant was imaged only seven times during the reporting period. This sampling rate is inadequate for assessing total component production rate or changes in the rate of production. The figures in Table 2 represent the minimum number of components fabricated/shipped.

Table 2.
Minimum Number of SBGs Fabricated and Shipped from Bryansk Guided Missile Support Equipment Plant II

This table in its entirety is classified SECRET/WNINTEL

Dates of Usable Coverage	Number of Days Between Usable Coverage	Fabricated Complete*	Fabricated Incomplete	Shipped Complete*	Shipped Incomplete
	48	0	0	4	0
	2	0	0	0	0—1
	1	0	0—1	0	0
	3	0	0—1	0	0—1
	1	0	0	0	0
	6	0	0—1	0	0—1
	7	0	0—1	0	0
Garages fabricated and shipped			0—4		4—7
Garages fabricated and shipped prior to			176—201		168—185
Garages fabricated and shipped since April 1976			176—205		172—192

*Includes 8 sliding-roof sections, 4 sliding-end section halves, and 2 end section bases.
**No usable imagery was acquired between

Command and Control Activity

37. (S/WN) Significant command and control developments observed during the reporting period (Table 3) included the following:

a. The identification of a small C-shaped building under construction adjacent to an existing large C-shaped command and control building at Konkovichi Mobile IRBM Base;
b. The identification of a probable computer building, which was previously believed to be a headquarters/administration-type building, at Mozyr MRBM Division Command Post/-Bunker
c. The continued construction of four regimental headquarters previously identified at Kivertsy Mobile IRBM Base 2, Krolevets Mobile IRBM Base 1, Lebedin Mobile IRBM Base 1, and Lutsk Mobile IRBM Base 1;
d. The abandonment of a probable construction support area at the Lutsk MRBM Regimental Headquarters Radio Communications Receiver/Bunker/Hard
e. The continued modification of the Kivertsy MRBM Regimental Command Post/Bunker (BE ;
f. The rebuilding of two mast-mounted TWIN EAR antennas at Verkhnyaya Salda ICBM Headquarters Receiver/Bunker/Hard
g. The identification of mobile TWIN EAR units at Verkhnyaya Salda ICBM Headquarters Receiver/Bunker/Hard, Verkhnyaya Salda Mobile IRBM Base 2, and Drovyanaya Mobile IRBM Bases 2 and 3;
h. The reanalysis of antennas at Yurya Surface-to-Surface Missile Headquarters Radio Relay and Radio Communications Transmitter Station
i. The completion of a YU-EL-01 antenna at Novosibirsk Mobile IRBM Base 6; and
j. The dismantlement of a large mast with a FORK REST antenna at Novosibirsk ICBM Headquarters Radio Communications Receiver/Bunker/Hard

38. (S/WN) In the support area at Konkovichi Mobile IRBM Base, a small C-shaped building of undetermined function and size was in the midstage of construction near an existing large C-shaped command and control building (Figure 18). However, the small C-shaped building is probably not for command and control because it differs from the standard-type, small, C-shaped command and control building at several mobile IRBM bases. The standard-type, small, C-shaped command and control building is single story and has one long section and two short sections that have no irregular edges. In contrast, the small C-shaped building under construction at Konkovichi is multistory and appears to have three equally long sections that have some irregular edges. The construction of the small C-shaped building began prior to

39. (S/WN) A large new building constructed during 1980 through 1982 near the Mozyr MRBM Division Command Post/Bunker has been identified as a probable computer building. This building was previously believed to be a headquarters/administration-type building, but additional analysis was preempted by the discovery of identical buildings constructed during the same timeframe at Kartaly ICBM Complex Command Post/Bunker Vinnitsa SRF Army Command Post/Bunker/Hard , and Khmelnitskiy ICBM Complex Command Post/Bunker . Repetitive coverage of the construction of the building at Kartaly revealed that each of the two floors in this building has an unusual height of approximately 5 meters and the building is connected by cable to the site control bunker. The unusual height of each floor in this building is believed to be an accommodation for computers, which are generally large and require surrounding spaces for air conditioning and electrical networks. In addition, the cable connection to the site control bunker indicates a command and control association that is consistent with a missile commander's need for computer support.

40. (S/WN) The new regimental headquarters, previously identified at Kivertsy Mobile IRBM Base 2, was in the midstage of construction on The ten-bay garage and three-story rectangular headquarters/administration building were still under construction.

41. (S/WN) At Krolevets Mobile IRBM Base 1, the new regimental headquarters was in the late stage of construction on and consisted of an almost complete 11-bay garage, a three-story headquarters/administration building under construction, two erected steel lattice towers, and several open trenches.

42. (S/WN) At Lebedin Mobile IRBM Base 1, the new regimental headquarters was in the late stage of construction on and consisted of a completed 11-bay garage, a command post bunker still undergoing modifications, a possibly completed arch-roofed support bunker, two erected steel lattice towers, and two possible horizontal dipole antennas.

43. (S/WN) The new regimental headquarters at Lutsk Mobile IRBM Base 1 was also in the late stage of construction on It consisted of a completed 11-bay garage, a completed three-story headquarters/administration building, and two steel lattice towers on the ground beside excavations for concrete bases.

44. (S/WN) The probable construction support area previously established in the eastern portion of the Lutsk MRBM Regimental Headquarters Radio Communications Receiver/Bunker/Hard was abandoned between No modifications to the antenna field were detected. This construction support area was probably a staging area for the dispersal of construction equipment to Lutsk MRBM Launch Site 2 which was recently converted to Lutsk Mobile IRBM Base 1.

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Table 3. Command and Control Development at Deployed SS-20-Associated Facilities as of 15 September 1982

This table in its entirety is classified TOP SECRET RUFF

		ANTENNAS ADDED SINCE SS-20 ACTIVITY WAS FIRST OBSERVED								PRESENT ANTENNA INVENTORY															
	Active - Deactivated Under Construction	30-Meter Lattice Tower	Roof-Mounted Arrays (YU EL 01)	Horizontal Dipole Antennas	Fishbone Antennas	Rhombic Antennas	Quadrant Antennas	Hardened Antennas	Antenna Masts	Lattice Towers (all types)	Horizontal Dipole Antennas	Fishbone Antennas	Rhombic Antennas	Quadrant Antennas	Hardened Antennas	Antenna Masts	Large C-Shaped C&C Bldg	Small C-Shaped C&C Bldg	Rectangular Bldg Assoc w/Small C-Shaped Bldg	3-Story Rectangular Hd/Admin Bldg	Bunker Modification Yes-No-Completed	Communications Satellite Station	Mobile TWIN EAR Unit Regularly Seen	Comments	
CHITA SRF ARMY																									
Drovyanaya ICBM Cplx																									
CP/Bnk	A	4	–	–	2	–	–	–	–	6	–	3	–	–	–	1	–	–	–	–	Comp	Type B*	No		25X1
CP/Alt/Bnk	A	2	–	–	–	–	–	–	–	2	1	4	–	–	–	3	–	–	–	–	No	–	Yes	Parking apron for TWIN EAR still ucon	25X1
Rad Rcvr	A	2	–	–	–	–	–	–	2*	3	2	–	–	–	–	2	–	–	–	–	Yes	–	Yes*	2 sets of mast-mounted, TWIN EAR ants erected	25X1
Rad Xmtr	A	–	–	–	–	–	–	–	–	–	4	–	8	–	–	–	–	–	–	–	*	–	No		
Mobile Base 1	A	2	Yes	–	–	–	–	–	2	2	–	–	–	–	–	2	–	–	–	–	–	–	*	Occasionally seen	25X1
Mobile Base 2	A	2	Yes	–	–	–	–	–	1	2	–	–	–	–	–	1	–	–	–	–	–	–	*	Occasionally seen	
Mobile Base 3	A	2	Yes	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	*	Occasionally seen	
Mobile Base 4	A	4	Yes	–	–	–	–	–	–	4	–	–	–	–	–	–	–	–	–	–	–	–	No		
Mobile Base 5	A	2	Yes	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	*	Occasionally seen	
Olovyannaya ICBM Cplx																									
CP/Bnk	A	3	–	–	1	–	–	3*	4	3	1	4	–	–	3*	6	–	–	–	–	Yes	Type B	No	3* Washer ants	25X1
CP/Alt/Bnk	A	–	–	–	–	–	–	–	–	–	2	4	–	–	–	5	–	–	–	–	No	–	No		25X1
Rad Rcvr	A	–	–	–	–	–	–	–	–	2	1	2*	–	–	2	1	–	–	–	–	No*	–	No	2 Fishbone ants removed; 2 new bldgs in ant field	25X1
Rad Xmtr NE	A	–	–	–	–	–	–	–	–	–	3	–	8	–	–	–	–	–	–	–	No	–	No		25X1
Rad Xmtr NW	A	–	–	–	–	–	–	–	–	2	6	–	8	–	2	–	–	–	–	–	No	–	No	1 new double rhombic antenna ucon	
Mobile Base 1*	U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	No	SS-20 constr activity abandoned in 1979	25X1
VINNITSA SRF ARMY																									
Mozyr MRBM Div																									
CP/Bnk	A	–	–	–	–	–	–	–	–	–	2	–	–	–	–	3	–	–	–	–	Comp	Type A	No	New bldg near bunker identified as probable computer bldg	25X1
Rad Rcvr	A	–	–	–	–	–	–	–	–	–	4	–	–	2	2	3*	–	–	–	–	No	–	No	2 masts support FORK REST ants	25X1
Rad Xmtr	A	–	–	–	–	–	–	–	–	–	7	–	–	2	–	4*	–	–	–	–	No	–	No	2 masts support FORK REST ants (Dec 77 imagery)	25X1
Mobile Base*	A	–	No	2	–	–	–	–	–	–	2	–	–	–	–	–	1	1	1	–	–	–	No	Mozyr Mobile IRBM Base/Training Fac; ants by C-shaped C & C bldgs	25X1
Konkovichi MRBM Regt																									
CP/Bnk*	A	–	–	2	–	–	–	–	3	–	2	–	–	–	–	3	–	–	–	–	Yes	No	No	This facility near the mobile base	25X1
Rad Rcvr*	D	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	No	No	No	This facility near the mobile base	25X1
Rad Xmtr	A	–	–	–	–	–	–	–	–	–	8	–	–	1 prob	–	–	–	–	–	–	No	No	No		25X1
Mobile Base	A	–	No	–	–	–	–	–	–	–	–	–	–	–	–	–	1 •	–	–	–	–	–	No	Small C-shaped bldg ucon adjacent to this bldg	25X1
Kozhanovichi MRBM Regt																									
CP/Bnk*	A	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	No	No	–	This facility near the mobile base	25X1
Rad Rcvr	A	–	–	2	–	–	–	–	1	–	4	–	–	2	–	3	–	1	–	–	No	No	–	This facility at the mobile base	25X1
Rad Xmtr	A	–	–	–	–	–	–	–	–	–	4	–	–	2	–	2	–	–	–	–	No	No	–		
Mobile Base	A	–	No	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–		25X1
Gomel MRBM Regt																									
CP/Bnk	A	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3	–	–	–	–	No	No	No		25X1
Rad Rcvr	A	–	–	–	–	–	–	–	–	–	2	–	–	2	1	5*	–	–	–	–	No	No	No	2 masts support FORK REST ant	25X1
Rad Xmtr	A	–	–	–	–	–	–	–	–	–	8	–	–	4	–	3*	–	–	–	–	No	No	No	3 FORK REST ants	
Mobile Base*	A	–	No	2	–	–	–	–	–	–	2*	–	–	–	–	–	1	1	1	–	–	–	No	Mobile TWIN EAR observed here in 1981; Rechitsa Mobile IRBM Spt Base; ants by C-shaped C&C bldg	25X1
Lutsk MRBM Div																									
CP/Bnk	A	–	–	–	–	–	–	–	–	–	2	–	–	–	–	4	–	–	–	–	–	–	–		25X1
Rad Rcvr	A	–	–	–	–	–	–	–	–	–	2	–	2	2	2	2*	–	–	–	–	–	–	–	2 FORK REST ants	25X1
Rad Xmtr	A	–	–	–	–	–	–	–	–	–	5	–	4	2	–	3	–	–	–	–	–	–	–		25X1
Lutsk MRBM Regt																									
CP/Bnk*	A	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	This facility at MRBM launch site 1	25X1
Rad Rcvr*	D	–	–	–	–	–	–	–	–	–	4	–	–	–	1	3	–	–	–	–	Yes	–	–	This facility at MRBM launch site 1	
Mobile Base 1	U	2*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	On the ground beside excavations	25X1

*See comments.

Red indicates changes since [ ] the cutoff date of the updated report. [ ] 25X1

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Table 3. (Continued)

	Active · Deactivated	Under Construction	30 Meter Lattice Tower	ANTENNAS ADDED SINCE SS-20 ACTIVITY WAS FIRST OBSERVED: Roof-Mounted Arrays (TU-EL-01)	Horizontal Dipole Antennas	Fishbone Antennas	Rhombic Antennas	Quadrant Antennas	Hardened Antennas	Antenna Masts	PRESENT ANTENNA INVENTORY: Lattice Towers (all types)	Horizontal Dipole Antennas	Fishbone Antennas	Rhombic Antennas	Quadrant Antennas	Hardened Antennas	Antenna Masts	Large C-Shaped C&C Bldg	Small C-Shaped C&C Bldg	Rectangular Bldg Assoc w/Small C-Shaped Bldg	3-Story Rectangular Hq/Admin Bldg	Bunker Modification Yes-No-Completed	Communications Satellite Station	Mobile TWIN EAR Unit Regularly Seen	Comments
Kivertsy MRBM Regt																									
CP/Bnk*	A*	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	Yes	–	–		This facility at IRBM Payload Handling Facility; bunker modifications still underway
Rad Rcvr	D	–	–	–	–	–	–	–	–	–	–	4	–	–	–	2	–	–	–	–	–	–	–		This facility at IRBM Payload Handling Facility; 3 cylindrical storage tanks onsite
Mobile Base 2	U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Ucon	–	–			
Romny IR/MRBM Div																									
CP/Bnk	A	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–		
Rad Rcvr	A	–	–	–	–	–	–	–	–	–	–	4	–	–	2	5	–	–	–	–	–	–	–		
Rad Xmtr	A	–	–	–	–	–	–	–	–	–	–	4	–	–	2	2	–	–	–	–	–	–	–		11 revetments in ant field Mar 78
Krolevets IRBM Regt																									
CP/Bnk*	A	2	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	Ucon	No	No	No		This facility at Mobile Base 1
Rad Rcvr*	D	–	–	–	–	–	–	–	–	–	–	*	–	–	–	*	–	–	–	–	No	No	No		This facility at Mobile Base 1; 6 horizontal dipoles and 2 masts removed
Rad Xmtr	A	–	–	–	–	–	–	–	–	–	–	6	–	–	–	2	–	–	–	–	No	No	No		
Mobile Base 1*	U	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		See CP/bnk entries
Lebedin IRBM Regt																									
CP/Bnk*	A*	2	–	–	1	–	–	–	–	3	2	1	–	–	–	–	3	–	–	–	–	Yes	–	–		This facility at Mobile Base 1; bunker modifications still underway
Rad Rcvr	D	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		This facility at Mobile Base 1
Mobile Base 1*	A	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		See CP/bnk entries
OMSK SRF ARMY																									
Novosibirsk ICBM Cplx																									
CP/Bnk	A	2	–	–	1	–	–	–	–	1	4	2	1	–	–	–	3	–	–	–	–	Comp	–	–		
Rad Rcvr	A	1	–	–	2	–	–	–	–	1	1	2	2	–	–	1	1	–	–	–	–	–	–	–		
Rad Xmtr	A	2	–	7	–	6	–	–	–	1	2	7	–	6	–	–	1	–	–	–	–	No	–	No		
Mobile Base 1	A	2	Yes	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	No		1 Lattice tower has KY-EL-08 ant on top
Mobile Base 2	A	2	Yes	–	–	–	–	–	–	–	2*	–	–	–	–	–	–	–	–	–	–	–	–	No		
Mobile Base 3	A	2*	Yes	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	No		
Mobile Base 4	A	2	Yes	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	No		
Mobile Base 5	A	2*	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	–	1*	–	–	–	–	No		Roof-mounted prob ants
Mobile Base 6	U	–	Yes	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	No		
SMOLENSK SRF ARMY																									
Postavy MR/IRBM Div																									
CP/Bnk	A	3	–	2	–	–	1	–	–	3	4	–	–	1	–	3	–	–	–	–	Comp	No	Yes		
Rad Rcvr	*	3	–	–	–	–	–	–	–	–	4	–	–	–	–	–	–	–	–	–	Yes	No	No		5 van trucks & trailers at bnk; 3 new lattice towers with 3 TWIN EAR ants
Rad Xmtr	A	–	–	–	–	–	–	–	–	–	–	9	–	–	2	–	6	–	–	–	No	No	No		
Postavy MRBM Regt																									
CP/Bnk*	A	–	–	2*	–	–	–	–	–	–	–	2*	–	–	–	–	1	1	–	–	Comp	No	No		This facility at the mobile base; dipole down prob temporarily
Rad Rcvr	D	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	No	No	No		This facility near the mobile base
Mobile Base	A	–	No	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Yes		
Smorgon IRBM Regt																									
CP/Bnk*	A	2	–	2	–	–	–	–	1	2	2	–	–	–	–	1	–	*	–	–	Comp	No	No		This facility at Mobile Base 1; a 2-story irregularly shaped hq/admin bldg also present
Rad Rcvr*	D	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	No	No		This facility near Mobile Base 1
Rad Xmtr	A	–	–	–	–	–	–	–	–	–	–	8	–	–	1	–	1	–	–	–	No	No	No		
Mobile Base 1	A	–	No	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	*		Occasionally seen; admin-type hqs newly identified in support area
Mobile Base 2	A	2	No	2	–	–	–	–	1	1	2	–	–	–	–	1	–	1*	–	–	–	–	No		Roof-mounted prob ants
Polotsk MRBM Regt																									
CP/Bnk*	A	–	–	2	–	–	–	–	3	–	2	–	–	–	–	3	–	–	–	–	Yes	No	No		This facility at Mobile Base 1
Rad Rcvr*	D	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	No	No	No		This facility at Mobile Base 1
Rad Xmtr*	A	–	–	–	–	–	–	–	–	–	8	–	–	–	–	1*	–	–	–	–	No	No	No		Polotsk/Disna MRBM Regt Xmtr; mast supports a FORK REST ant
Mobile Base 1	A	–	No	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	No		
Mobile Base 2	A	–	No	2	–	–	–	–	1	–	2	–	–	–	–	1	–	1*	–	–	–	–	No		Roof-mounted prob ants
Lida MRBM Div																									
CP/Bnk	A	–	–	–	–	–	–	–	–	–	1	–	–	–	–	3	–	–	–	–	No	No	No		
Rad Rcvr	A	–	–	–	–	–	–	–	–	–	2	–	–	2*	–	2	–	–	–	–	No	No	No		Double rhombic ant
Rad Xmtr	A	–	–	–	–	–	–	–	–	–	10	–	–	4	–	2	–	–	–	–	No	No	No		

*See comments.
Red indicates changes since [redacted] the cutoff date of the updated report, [redacted]

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Table 3. (Continued)

		ANTENNAS ADDED SINCE SS-20 ACTIVITY WAS FIRST OBSERVED									PRESENT ANTENNA INVENTORY															
	Active - Deactivated Under Construction	30 Meter Lattice	Tigger	Roof-Mounted Arrays (YU-EL-01)	Horizontal Dipole Antennas	Fishbone Antennas	Rhombic Antennas	Quadrant Antennas	Hardened Antennas	Antenna Masts	Lattice Towers (all types)	Horizontal Dipole Antennas	Fishbone Antennas	Rhombic Antennas	Quadrant Antennas	Hardened Antennas	Antenna Masts	Large C-Shaped C&C Bldg	Small C-Shaped C&C Bldg	Rectangular Bldg Assoc w/Small C-Shaped Bldg	3-Story Rectangular Hq/Admin Bldg	Bunker Modification Yes-No Completed	Communications Satellite Station	Mobile TWIN EAR Unit Regularly Seen	Comments	
Lida MRBM Regt																										
CP/Bnk*	A	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	Cp/bnk & rcvr at MRBM at Launch Site 2	
Rad Rcvr	A	–	–	–	–	–	–	–	–	–	–	*	–	–	2	1*	2	–	–	–	–	–	No	No	Hardened ant is Type B; at least 2 horizontal dipole ants have been removed	25X1
Mobile Base 1	A	2*	–	2	–	–	–	–	–	–	2*	2	–	–	–	–	–	–	1*	–	–	–	–	–	Roof-mounted prob ants; prob KY-EL-06	25X1
Gresk MRBM Regt																									This facility at Mobile Base 1; 2 of the masts have rotatable log periodic ant on them	
CP/Bnk*	A	–	–	3*	–	–	–	–	5*	–	–	3	–	–	–	–	5*	–	–	–	–	–	–	–	This facility at Mobile Base 1; hardened antenna is type B	25X1
Rad Rcvr*	A	–	–	–	–	–	–	–	–	–	–	4	–	–	2	1*	2	–	–	–	–	–	–	–	Double rhombic ants	25X1
Rad Xmtr	A	–	–	4	–	2*	–	–	1	–	–	4	–	2*	–	–	1	–	–	–	–	–	–	–		
Mobile IRBM Base 1	A	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	No	–	No	No	No		25X1
Dyatlovo MRBM Regt																										
CP/Bnk*	A	2	–	2	–	–	–	–	–	–	2	2	–	–	–	–	–	–	–	–	1	–	–	–	This facility at Mobile Base 1	
Rad Rcvr*	A	–	–	–	–	–	–	–	–	–	–	2	–	–	2	1	2	–	–	–	–	–	–	–	This facility near Mobile Base 1	25X1
Rad Xmtr	A	–	–	–	–	–	–	–	–	–	–	4	–	–	2	–	1	–	–	–	–	–	–	–		25X1
Mobile Base 1	A	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		25X1
Pruzhany MRBM Div																										
CP/Bnk	A	–	–	–	–	–	–	–	–	–	–	3	–	–	–	–	1*	–	–	–	–	–	–	–	FORK REST	25X1
Rad Rcvr	A	–	–	–	–	–	–	–	–	–	–	–	–	2	2	2	1	–	–	–	–	–	–	–		25X1
Rad Xmtr	A	–	–	–	–	–	–	–	–	–	–	4	–	6	2	–	2	–	–	–	–	–	–	–		
Slonim MRBM Regt																										
CP/Bnk*	A	2	–	2	–	–	–	–	–	–	2	2	–	–	–	–	–	–	–	–	1	–	–	–	This facility at Mobile Base 1	
Rad Rcvr*	D	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	This facility at Mobile Base 1	25X1
Rad Xmtr	A	–	–	–	–	–	–	–	–	–	–	4	–	–	2	–	–	–	–	–	–	–	–	–		25X1
Mobile Base 1	A	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		25X1
ORENBURG SRF ARMY																										
Verkhnyaya Salda ICBM Cplx																										
CP/Bnk	A	7	–	5	1	–	–	–	–		9	4	1	–	–	–	2	–	–	–	–	Comp	No	*	Mobile TWIN EAR seen here on occasion	
Hq Spt Rcvr	A	3	–	–	–	–	–	–	–		3	2	2	–	2	2	7*	–	–	–	–	–	No	No	1 FORK REST ant; 2 TWIN EAR ants present	25X1
Rad Rcvr	A	–	–	–	–	–	–	–	–		–	–	–	–	–	–	–	–	–	–	–	–	No	No	Fac prob deactivated	25X1
Rad Xmtr	A	–	–	–	–	–	1	–	–		–	6	–	4	1	–	2	–	–	–	–	–	No	No		25X1
Mobile Base 1	A	2	Yes	–	–	–	–	–	–		2	–	–	–	–	–	–	–	–	–	–	–	–	No		
Mobile Base 2	A	2	Yes	–	–	–	–	–	–		2	–	–	–	–	–	–	–	–	–	–	–	–	*	Mobile TWIN EAR seen on occasion	25X1
Mobile Base 3	A	2	Yes	–	–	–	–	–	–		2	–	–	–	–	–	–	–	–	–	–	–	–	No		
Mobile Base 4	A	4	No	–	–	–	–	–	–		4*	–	–	–	–	–	–	–	1*	–	–	–	–	No	Roof-mounted prob ants; 1 lattice tower has been dismantled	
Mobile Base 5	A	1	–	–	–	–	–	–	–		1	–	–	–	–	–	–	–	1*	No	–	–	–	–	Roof-mounted prob ants	
VLADIMIR SRF ARMY																										
Yuriya ICBM Cplx																										
CP/Bnk	A	7	–	3	1	–	–	–	–		9	3	1	–	–	–	2	–	–	–	–	Comp	No	No		
Rad Rcvr	A	3	–	–	–	–	–	–	2		3	8	–	–	2	–	5*	–	–	–	–	–	No	No	2 FORK REST ants; 2 pairs of TWIN EAR ant	25X1
Rad Xmtr	A	–	–	4	–	–	–	–	–		–	8	–	–	–	–	6*	–	–	–	–	–	No	No	3 FORK REST ants; 1 R-400 ant	25X1
Mobile Base 1	A	2	Yes	–	–	–	–	–	–		2	–	–	–	–	–	–	–	–	–	–	–	–	No		
Mobile Base 2	A	2	Yes	–	–	–	–	–	–		2	–	–	–	–	–	–	–	–	–	–	–	–	No		25X1
Mobile Base 3	A	2	Yes	–	–	–	–	–	–		2	–	–	–	–	–	–	–	–	–	–	–	–	No		
Mobile Base 4	A	2	No	–	–	–	–	–	–		2	–	–	–	–	–	–	–	1*	–	–	–	–	No	Roof-mounted prob ants	
Mobile Base 5	A	2	–	–	–	–	–	–	–		2	–	–	–	–	–	–	–	1*	–	–	–	–	No	Roof-mounted prob ants	

*See Comments.

Red indicates changes since [redacted] the cutoff date of the updated report. [redacted] 25X1

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45. (S/WN) The previously reported unidentified modifications to the Kivertsy MRBM Regimental Command Post/Bunker were still underway. As of [redacted] portions of the command post bunker were still unearthed and three parallel trenches were observed in a semicircular pattern near the northern end of the bunker. The purpose of these trenches has not been determined and their terminal points were obscured by trees. 25X1

46. (S/WN) At Verkhnyaya Salda ICBM Headquarters Receiver/Bunker/Hard, a mast-mounted TWIN EAR antenna had been removed by [redacted] and had been rebuilt and oriented south by [redacted] 25X1
A second mast-mounted TWIN EAR antenna, which was dismantled in May 1982, had been rebuilt and oriented southeast by [redacted] 25X1
25X1

47. (S/WN) Also at Verkhnyaya Salda ICBM Headquarters Receiver/Bunker/Hard, a mobile TWIN EAR unit was in the deployed mode oriented south on [redacted] 25X1

48. (S/WN) At Verkhnyaya Salda Mobile Base 2, two mobile TWIN EAR units (Figure 19) were in the deployed mode, just outside and south of the support area, on [redacted] Both sets of antennas were oriented southwest. 25X1

49. (S/WN) At Drovyanaya Mobile Base 2, a mobile TWIN EAR unit was in the travel mode next to the 11-bay garage on [redacted] 25X1

50. (S/WN) At Drovyanaya Mobile Base 3, a mobile TWIN EAR unit (Figure 20) was observed in the travel mode next to the 11-bay garage on [redacted] 25X1

51. (S/WN) At Yurya Surface-to-Surface Missile Headquarters Radio Relay and Radio Communications Transmitter Station, reanalysis revealed that the facility consists of eight dipole antennas and four masts. The facility appears to be undergoing additional modifications.

52. (S/WN) At Novosibirsk Mobile Base 6, a YU-EL-01 antenna had been constructed on the control building by [redacted] 25X1

53. (S/WN) At Novosibirsk ICBM Headquarters Radio Communications Receiver/Bunker/Hard, the large mast with a FORK REST antenna on top had been removed by [redacted] 25X1

[redacted] 25X1

[redacted] 25X1

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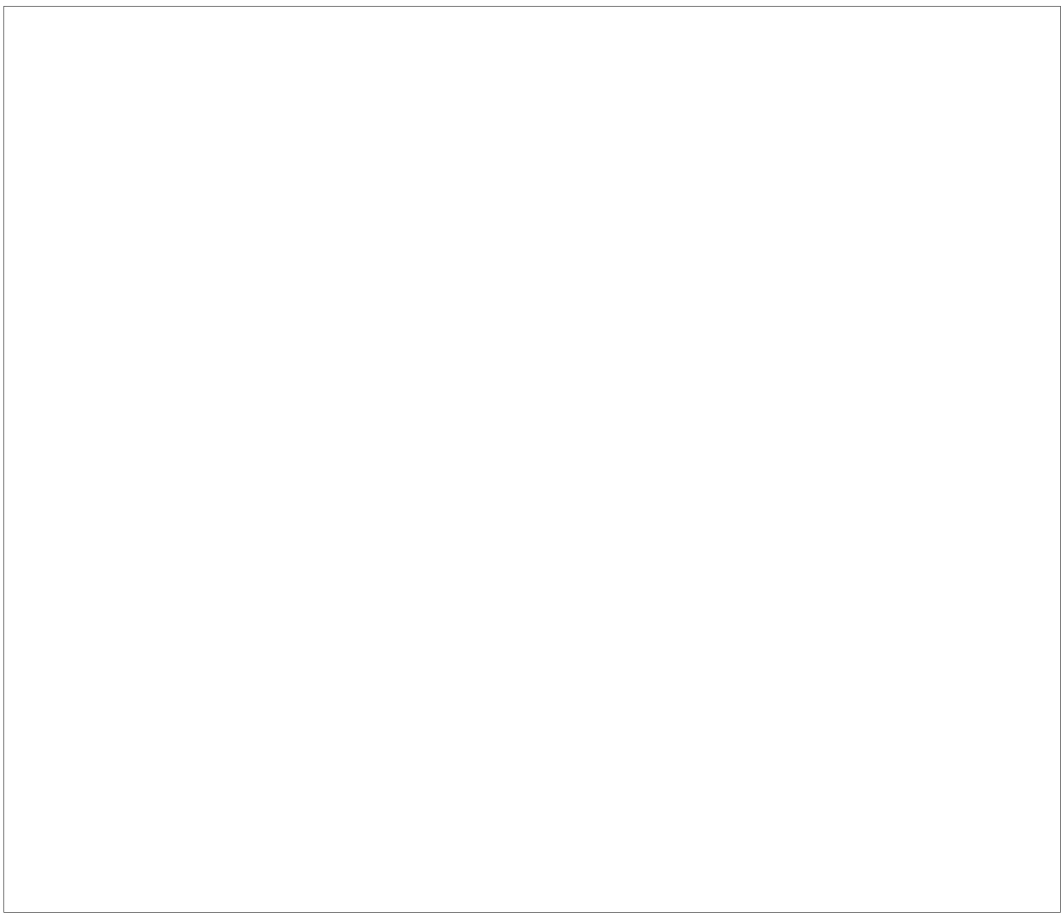

REFERENCES

IMAGERY

(S/WN) All applicable satellite imagery acquired from [redacted] was used in preparation of this report. 25X1

DOCUMENTS

1. NPIC [redacted] RCA-01/0012/82, *Soviet Mobile Missile Summary,* [redacted] (S), Jul 82 (TOP SECRET [redacted] 25X1 25X1
2. DEFSMAC. S/DQ/481-82, 181716Z (SECRET)
3. DEFSMAC. S/DQ/402-81, 120650Z (SECRET)

*Extracted material is classified SECRET [redacted] 25X1

RELATED DOCUMENT

NPIC. [redacted] IAR-0010/80, *SS-20 Field Training Areas, USSR (S),* Jun 80 (TOP SECRET [redacted] 25X1 25X1

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